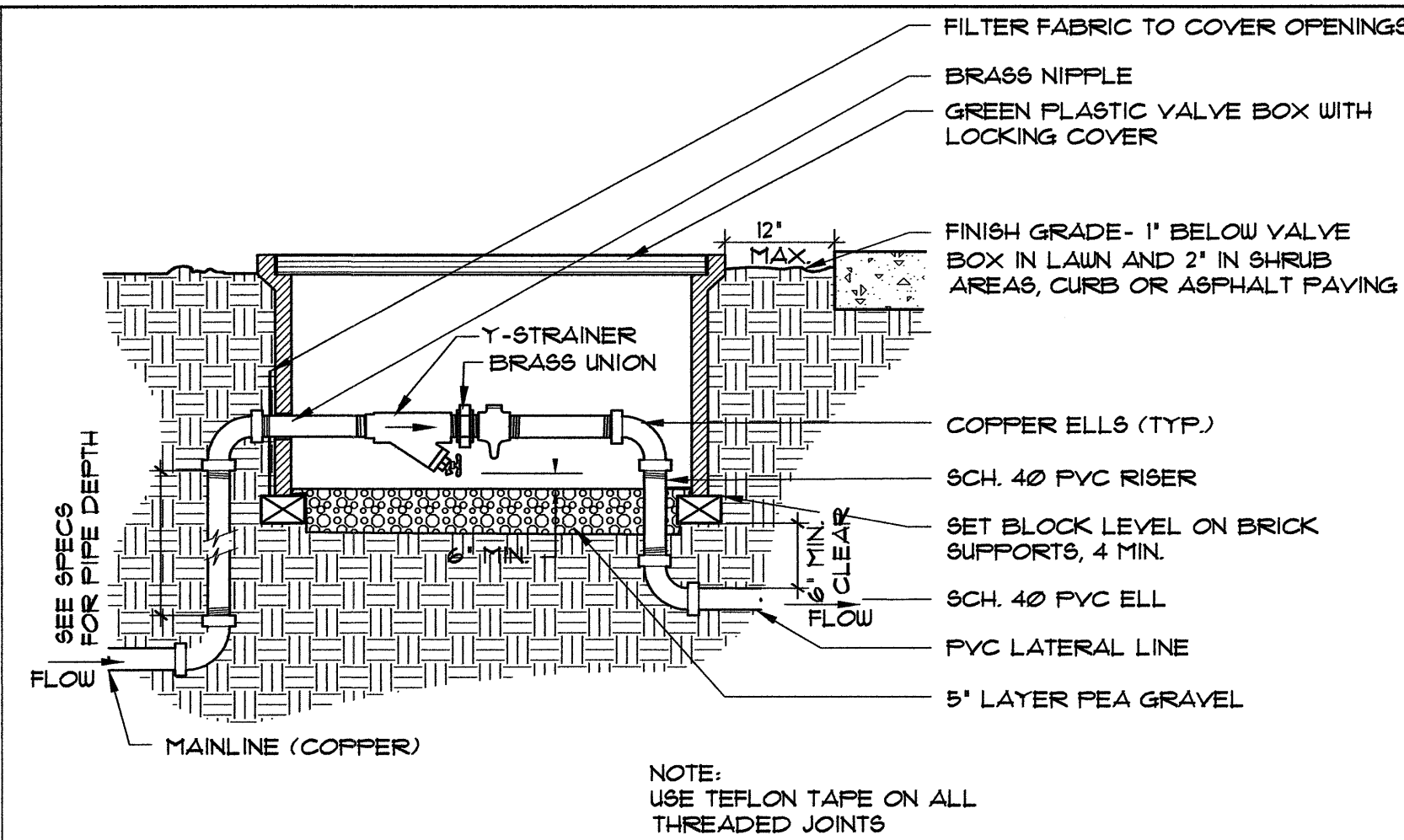


- ① INSERT X MIF 30 ELL
- ② 10' ROUND VALVE BOX  
ROUND 'FLUSH' ON LID
- ③ FINISH GRADE
- ④ PVC BALL VALVE (FT X FT)
- ⑤ MIF X FIP SCH. 40 PVC ELL
- ⑥ SCH 80 PVC NIPPLE  
LENGTH AS REQUIRED
- ⑦ 3/4" CRUSHED GRAVEL SUMP  
(1 CU. FT.)
- ⑧ FIP X FIP SCH. 40 PVC ELL
- ⑨ PVC LATERAL LINE PIPE
- ⑩ SLIP X MIFT SCH. 40 PVC  
FITTING
- ⑪ 18" X 1/2" DIA FLEX HOSE

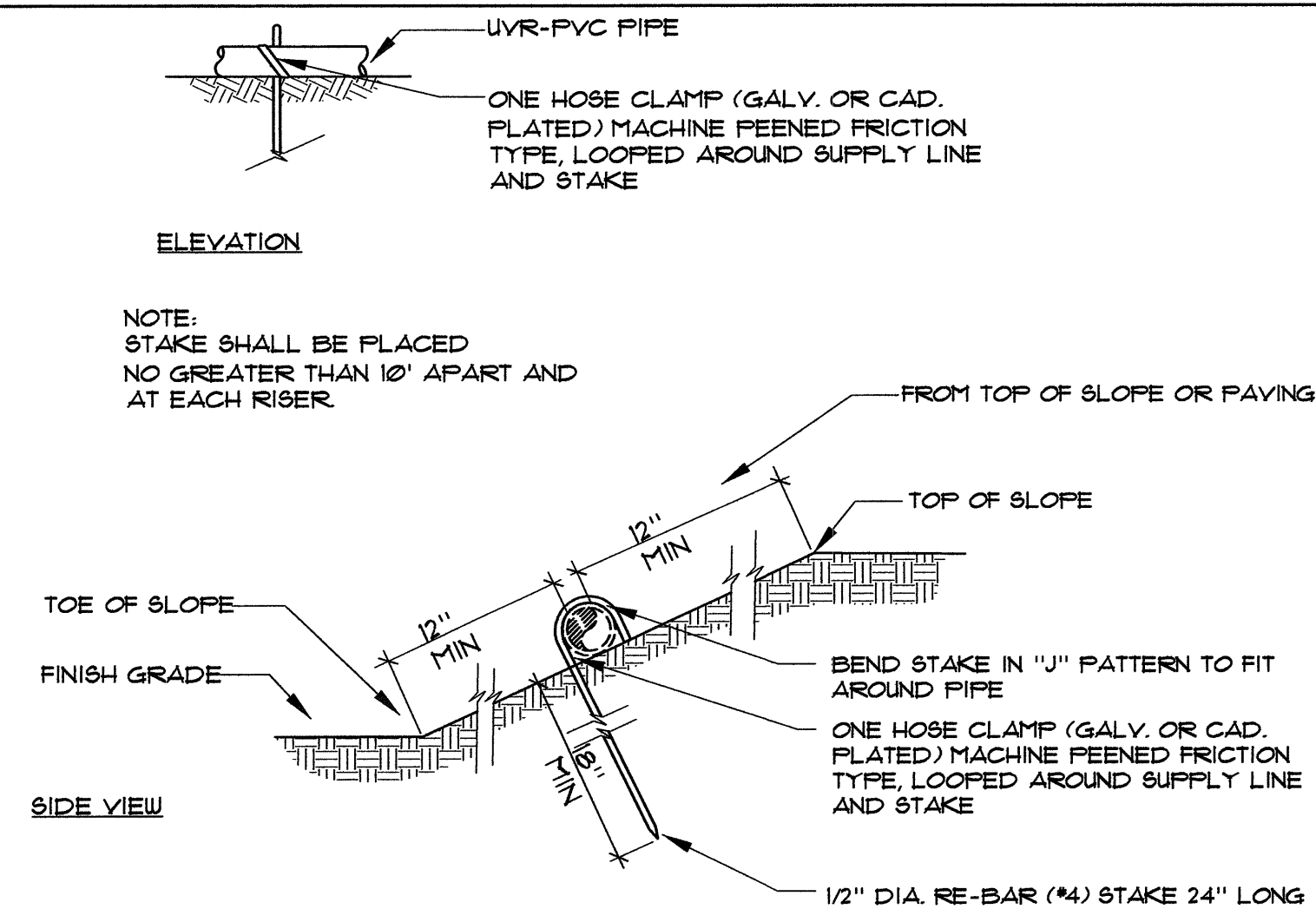
## D FLUSH VALVE FOR DRIP SYSTEM

**SCALE: N.T.S.**



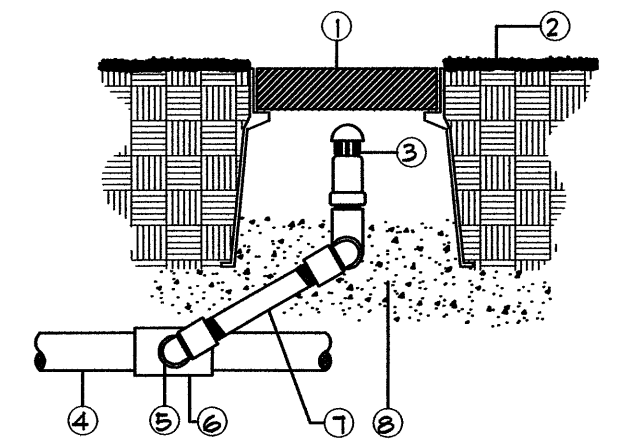
## **PRESSURE REGULATOR / Y-STRAINER ASSEMBLY**

**SCALE: N.T.S.**



## STAKING OF PIPE ABOVE GROUND PIPE INSTALLATIONS

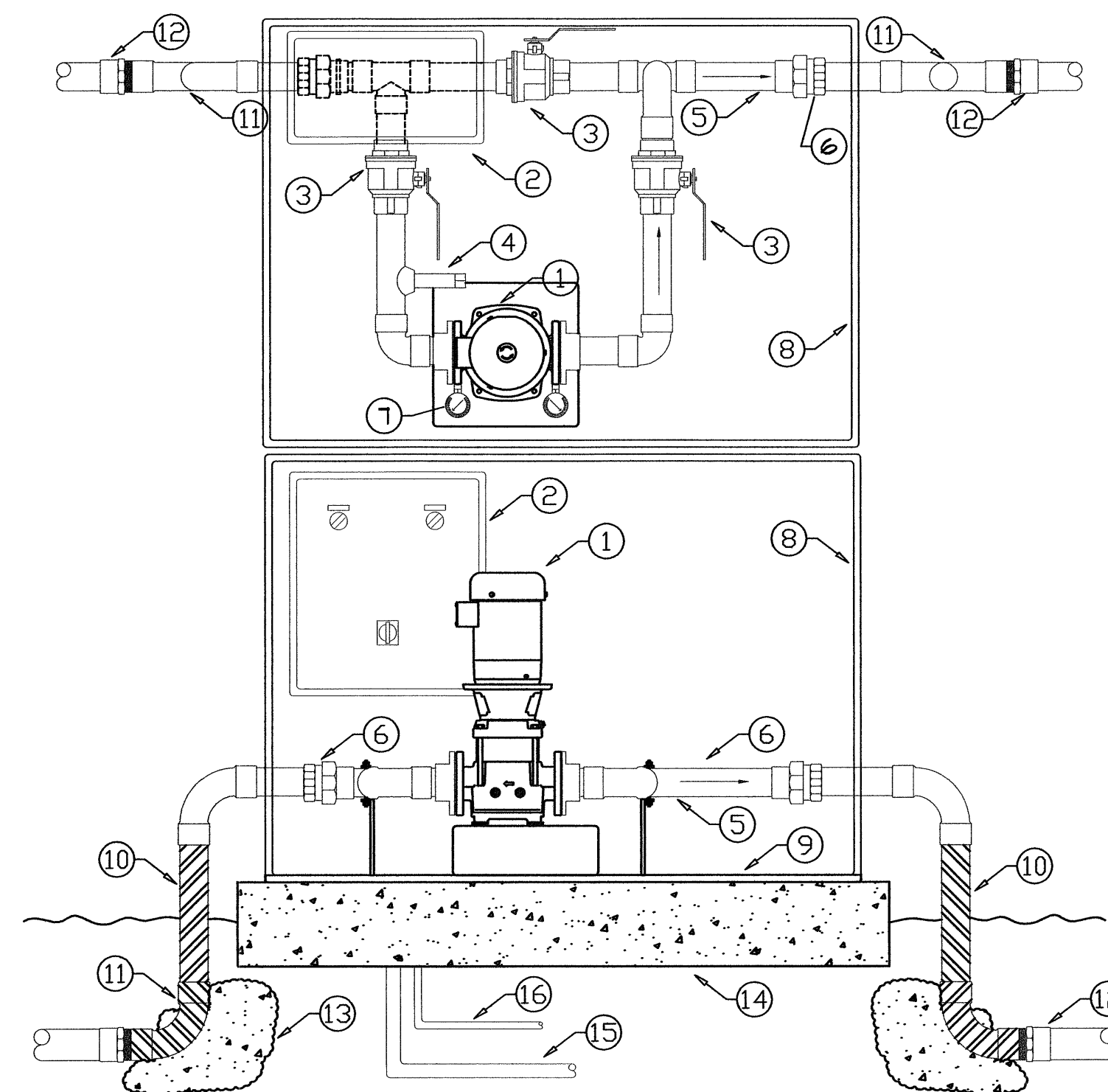
**SCALE: N.T.S.**



- |   |                               |
|---|-------------------------------|
| ① 10" ROUND VALVE BOX   | ⑤ PVC STREET ELL (2 REQUIRED) |
| ② FINISH GRADE  | ⑥ PVC TEE OR ELL              |
| ③ AGRICULTURAL PRODUCTS, INC.<br>1" PVC AIR/VACUUM RELIEF VALVE | ⑦ PVC SCH. 80 NIPPLE          |
| ④ PRESSURE SUPPLY LINE  | ⑧ 3/4" CRUSHED ROCK SUMP      |

**A AIR VACUUM RELIEF VALVE  
FOR DRIP SYSTEM**

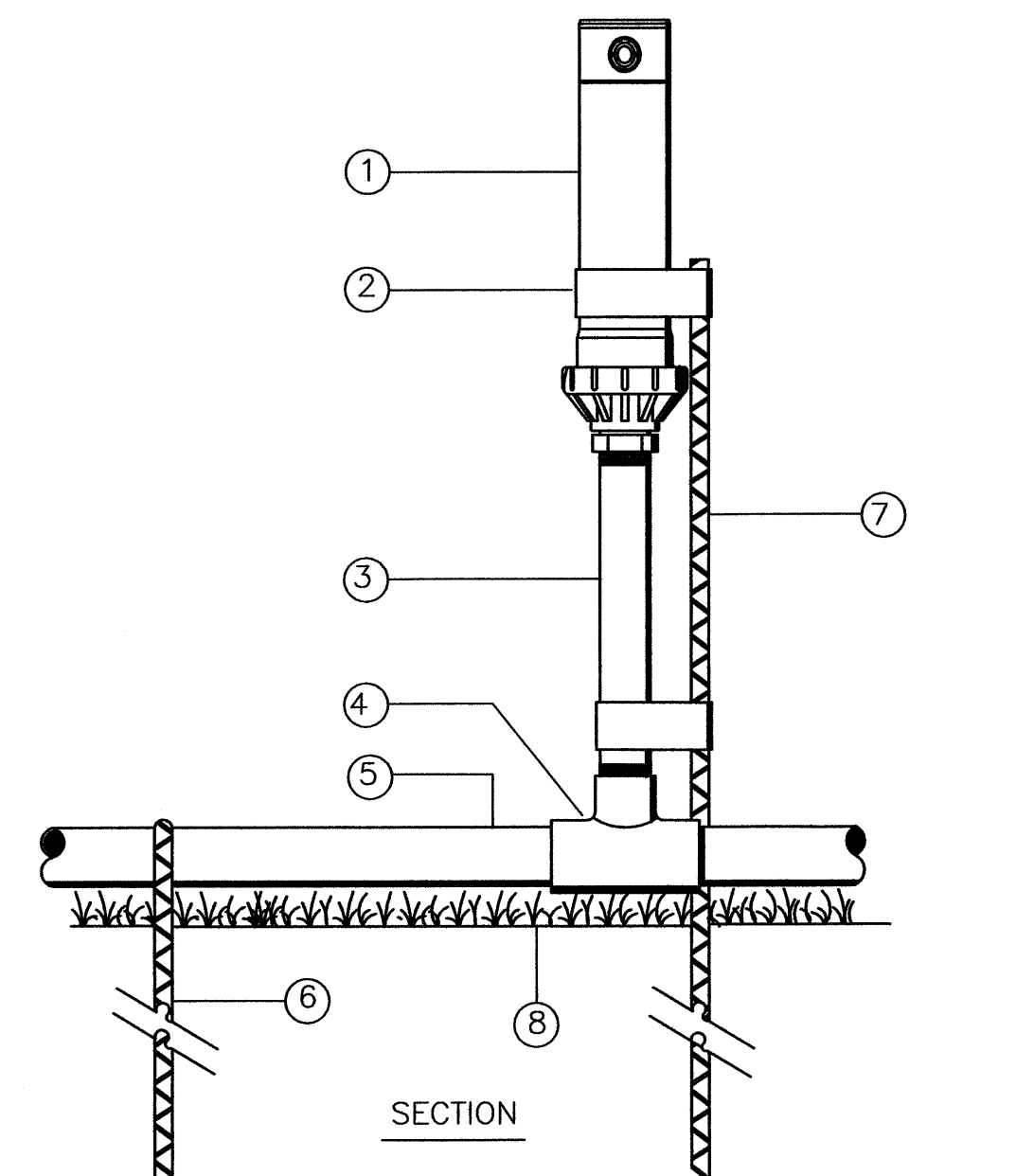
**SCALE: N.T.S.**



1. VERTICAL MULTISTAGE STAINLESS  
FITTED CENTRIFUGAL PUMP.
2. NEMA 4X SIMPLIFIED CONTROL PANEL  
FOR AUTOMATIC OPERATION.
3. BRONZE 1/4 TURN BALL VALVE
4. BRONZE NON-ADJUSTABLE FLOW  
SWITCH.
5. 2" TYPE 'L' COPPER.
6. BRONZE UNION ADAPTER
7. PRESSURE GAUGE, LIQUID  
DAMPENED.
8. MARINE GRADE ALUMINUM  
ENCLOSURE, HINGED TOP.
9. STRUCTURAL ALUMINUM BASEPLATE.
10. BRASS PIPE, DOUBLE WRAPPED  
WITH PVC PIPE WRAP
11. BRASS 90° ELBOW.
12. PVC SCHEDULE 80 MALE ADAPTER.
13. CONCRETE THRUST BLOCKS 6'  
CUBIC FEET MINIMUM.
14. 4" THICK CONCRETE PAD, ASTM  
C-94, ACI STD 318-83 MIX, 2500 PSI  
RATED
15. MAIN POWER CONDUIT.
16. IRRIGATION CONTROLLER SIGNAL  
CONDUIT.

 **BARRETT ENGINEERED PUMP A, B AND C**

**SCALE: N.T.S.**

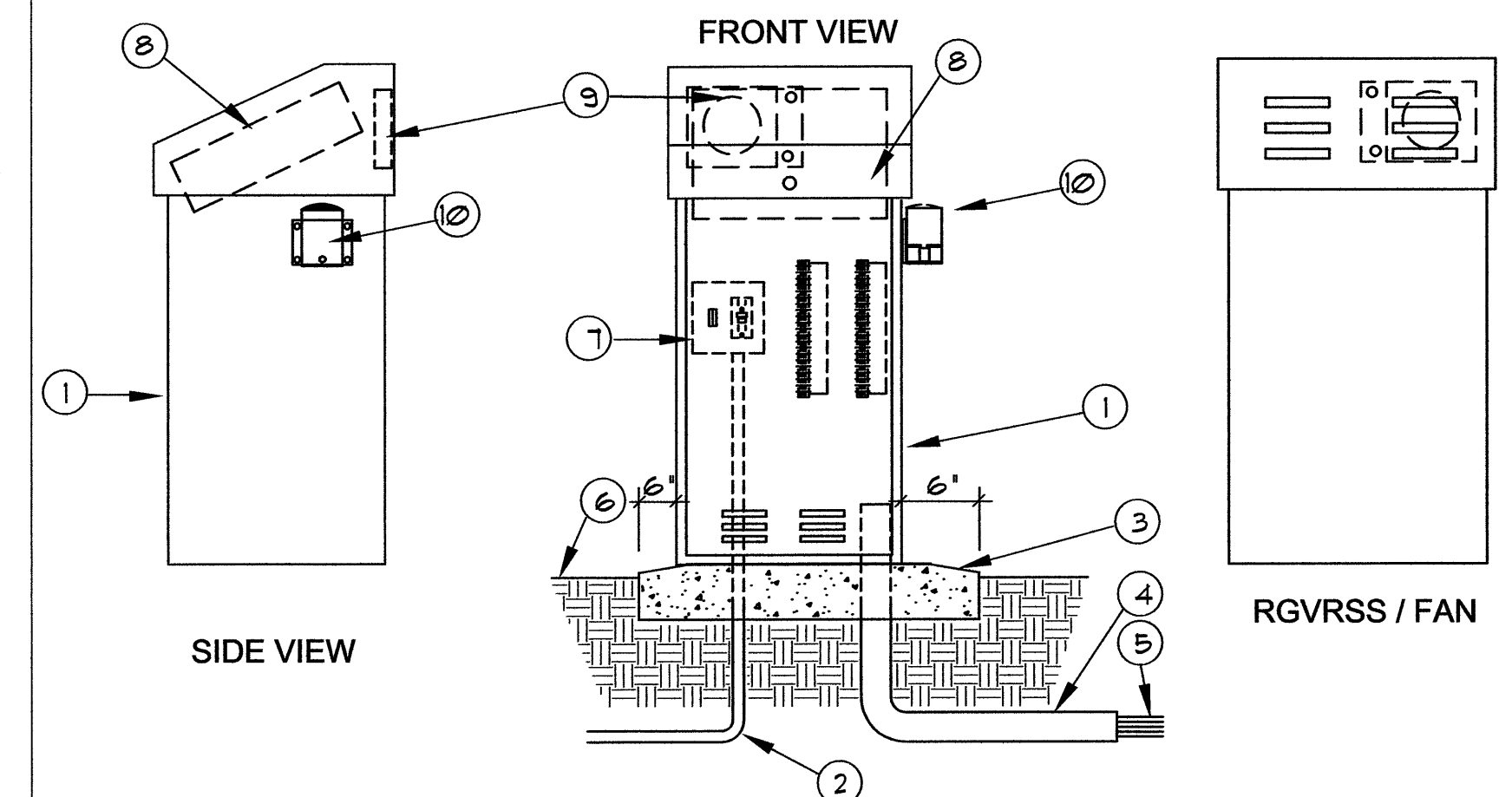


1. GEARED SHRUB ROTOR W/ CHECK VALVE
2. STAINLESS STEEL STRAPS (2-REQ'D.)
3. UVR-PVC RISER (SIZE AS REQUIRED, 6' LENGTH)
4. UVR-PVC TEE OR ELLBOW
5. UVR-PVC LATERAL LINE
6. # 4 REBAR 'J' HOOK @ 10' O.C. MAX (18" DEPTH)
- # 4 REBAR SUPPORT (24' LENGTH) T.
8. FINISH SURFACE

NOTE :  
 --RISER TO BE SAME SIZE AS HEAD INLET  
 --HEADS ON TOP OF SLOPE SHALL BE LOW ANGLE  
 TYPE HEADS.

**F ROTOR HEAD ON GRADE**

**SCALE: N.T.S.**



1. CONTROLLER ENCLOSURE.
2. 120-VOLT SERVICE IN CONDUIT.
3. POURED CONCRETE BASE - 6" MIN. THICKNESS - EXTEND CONCRETE 6" BEYOND OUTSIDE DIMENSIONS OF ENCLOSURE WITH 1/2% SLOPE FOR DRAINAGE.
4. FVC LONG SWEEP ELL - SIZE AS REQUIRED.
5. DIRECT BURIAL CONTROL WIRES TO CONTROL VALVES.
6. FINISH GRADE.
7. CONTROLLER SUB-ASSEMBLY (CSA) INCLUDES GFI & TERMINAL STRIPS WITH PLACARDS.
8. AUTOMATIC CONTROLLER.
9. FAN 120V W/BACKET.
10. RAIN SENSOR IN VANDAL RESISTANT ENCLOSURE, RGVRS5 UL LISTED MOUNTED ON SIDE.

RGVRSS  
 RAINGAUGE ENCLOSURE INSTALLED ON MAIN CABINET SIDE. CARRIAGE BOLTS MOUNT  
 RGVRSS TO CABINET WITH NEOPRENE GASKET BETWEEN UNIT AND CABINET FOR UL LISTING  
 RATING.  
 RGVRSS BUILT OF 304 STAINLESS STEEL TO HOUSE MINI-CLIK-C TYPE SENSORS.

FAN  
FAN, THERMOSTAT, GUARD AND BRACKET INSTALLED IN TOP LID AT LOUVER TO MOVE AIR ACROSS INTERNAL COMPONENTS. COOLING FAN HAS THERMOSTAT WHICH IS PRESET OR ADJUSTABLE TO OPERATE.

### CONTROLLER / ENCLOSURE DETAIL

**SCALE: N.T.S.**